

Name: _____

at1110paper__practice__test (v106)

1. Solve the equation with factoring by grouping.

$$15x^2 + 12x + 10x + 8 = 0$$

2. Expand the following expression into standard form.

$$(3x - 7)^2$$

3. Expand the following expression into standard form.

$$(2x + 3)(2x - 3)$$

4. Expand the following expression into standard form.

$$(6x + 7)(8x - 5)$$

5. Solve the equation.

$$(3x + 2)(4x + 9) = 0$$

6. Factor the expression.

$$49x^2 - 64$$

7. Factor the expression.

$$x^2 + x - 72$$

8. Solve the equation.

$$7x^2 + 13x - 54 = 5x^2 + 4x + 2$$